Journal of Clinical and Hospital Pharmacy

Editors
A. Li Wan Po
and
M. J. Kendall

Volume 11
1986

Blackwell Scientific Publications
Oxford London Edinburgh Boston Palo Alto
Melbourne

© 1986 *Journal of Clinical and Hospital Pharmacy*

Printed in Great Britain by Henry Ling Ltd., at the Dorset Press, Dorchester, Dorset

CONTENTS

NUMBER 1

1 **Editorial**

Review articles
Digoxin 1785–1985

3 I. Two hundred years of digitalis
O. L. Wade

11 II. The mode of action of cardiac glycosides
K. L. Woods

15 III. Digitalis in the elderly
M. Chellingsworth

21 Therapeutic progress—Review XVIII
Cystic fibrosis
J. A. Kohler and C. J. Rolles

Research and report

33 Studies on fat emulsions in combined nutrition solutions
S. S. Davies and M. Galloway

47 Stability of cefuroxime sodium in some aqueous buffered solutions and intravenous admixtures
V. Das Gupta and K. R. Stewart

55 The propriety of narcotic usage in hospitalized patients
S. Yosselson-Superstine, R. Gutman and F. Magora

Drug information

61 Pharmaceutical officers and specialist principal pharmacists in the United Kingdom Health Service—Scotland
T. R. Lowther

NUMBER 2

Review articles

65 The treatment of primary biliary cirrhosis
D. Adams, D. Clements and E. Elias

75 Recent advances in pharmaceutical chemistry: the 4-quinolone antibiotics
D. B. Jack

Research and reports

93 An investigation of the *in vitro* anti-bacterial activity of noxythiolin against 1,000 pathogenic bacterial isolates
K. C. Ashley and D. L. Myerthall

101 The stability and blanching efficiency of some Betnelan-V® cream dilutions
P. Boonsaner, J. P. Remon and D. De Rudder

107 An audit of nifedipine in a hypertension clinic
J. S. Gill, A. V. Zezulka, M. Beevers and D. C. Beevers

Notes

117 A note on the recovery of micro-organisms from an oil-in-water cream
M. W. Brown, C. Evans, J. L. Ford and M. Pilling

125 Quantification of ethylene chlorohydrin and ethylene glycol as potential reaction products in gas-sterilized medical-grade plastics
D. De Rudder, E. De Graeve, R. Van Severen and P. Braeckman

Drug information

131 A survey of drug and therapeutics committees operating in Ireland
M. C. Ferrando and M. C. Henman

141 Pharmaceutical officers in the United Kingdom—part III
D. L. Thomas

145 Pharmaceutical officers in the United Kingdom—part IV
B. Cheyne

NUMBER 3

Review articles

147 Are we making progress in the drug treatment of lung cancer?
G. F. A. Benfield and M. H. Cullen

159 Calcium antagonism—with special reference to diltiazem
M. J. Kendall and J. V. Okopski

175 Calcium antagonists and glycaemic control
M. J. Kendall, R. C. Horton and M. C. Chellingsworth

Research and reports

181 Trends in peptic ulcer related disease—influence of H_2 antagonists
J. Fox and R. G. Shanks

189 The clinical significance of metal binding in convulsion control with sodium valproate
M. A. Healy and M. Aslam

199 An assessment of the fungicidal activity of antimicrobial agents used for hard-surface and skin disinfection
E. M. Scott, S. P. Gorman and S. J. McGrath

207 The effect of a specialist clinic with pharmacist involvement on the management of epilepsy in paediatric patients
B. Summers, R. S. Summers and S. Rom

215 Stability of hydralazine hydrochloride in aqueous vehicles
V. Das Gupta, K. R. Stewart and C. Bethea

225 **Book reviews**

NUMBER 4

Editorial

227 Therapeutics and *The Journal of Clinical and Hospital Pharmacy*

Review articles

229 Therapeutic progress—Review XX
Drug treatment of Parkinson's disease
H. S. Pall, A. C. Williams and D. B. Ramsden

237 New antibacterial agents and their uses
A. C. Lafong and P. G. Murphy

Research and reports

271 Vitamin stability in a TPN mixture stored in an EVA plastic bag
G. D. Dahl, R. I. Jeppsson and H. J. Tengborn

281 Studies on the evaluation of preservative efficacy—II. The determination of antimicrobial characteristics of benzylalcohol
M. S. Karabit, O. T. Juneskans and P. Lundgren

Notes

291 The effect of alcohol intake on the disposition of diphenhydramine in man
R. T. Calvert and R. Parry

297 Diabetes and schizophrenia—a preliminary study
H. A. McKee, P. F. D'Arcy and P. J. K. Wilson

301 Patient characteristics and prescribing patterns at the Paediatric Asthma Clinic of a teaching hospital serving a developing community
S. Rawnsley, R. S. Summers and I. T. Hay

307 **Book reviews**

NUMBER 5

Review article

311 Therapeutic progress—Review
Are we making progress in the treatment of hypertension in the elderly?
J. Rowe and A. Main

Research and reports

321 Compliance and drug therapy in fasting Moslem patients
M. Aslam and M. A. Healy

327 Analysis of hospital-formulated oral liquid preparations by second derivative ultraviolet spectroscopy
S. L. Bryant, A. R. Neel and G. J. Sewell

335 Determination of *in vivo* concentration–time profiles of chlorhexidine a noxythiolin bladder irrigations
W. N. Cottrell and R. W. Fitzpatrick

343 Methotrexate in infusion solutions—a stability test for the hospital pharmacy
O. Dyvik, A.-L. Grislingaas, H. Hjorth Tønnesen and J. Karlsen

349 An introductory course to facilitate the implementation of a clinical pharmacy programme in Iraq
F. W. Ezzedeen, S. J. Stohs, D. R. Gourley and M. Stublar

357 The effect of pH and concentration on the rates of kill of benzoic acid solution against *E. Coli*
S. J. Hurwitz and T. J. McCarthy

367 Ethylene chlorohydrin determination in ethylene oxide sterilized polyvinchloride tubing
J. Merckx and R. Kinget

Note

375 Doctors' knowledge of the cost of common medications
J. Rowe and S. MacVicar

379 **Book review**

NUMBER 6

Review articles

381 The therapy of genital warts
W. W. Dinsmore

389 Recent advances in pharmaceutical chemistry—Review II. Histamine H_2-receptor antagonists
R. M. Lee and R. D. McDowall

409 Therapeutic progress—Review XXIII. Morphine analgesia in terminal care
S. Dover

427 Therapeutic progress—Review XXIV. Are we making progress in the treatment of acute stroke?
S. Hill and A. Main

Research and report

443 A comparison of graphical nomogram methods with a computerized Bayesian analysis method in the interpretation of serum phenytoin concentrations
H. Chrystyn and D. H. Morgan

Note

449 Chemical stabilities of lignocaine hydrochloride and phenylephrine hydrochloride in aqueous solution
V. Das Gupta and K. R. Stewart

453 **Author index**